

Green

Dart Aerospace Ltd.

Date: Wednesday, 22/10/2008 11:47:16 AM
 User: Julie Dawson

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : SADDLE FITTING, FWD (OUTBOARD/INBOARD)
 Job Number : 42803
 Estimate Number : 10531
 P.O. Number :
 This Issue : 22/10/2008 S.O. No. :
 Prsht Rev. : NC Part Number : D2572
 First Issue : / / Type : MACHINED PARTS Drawing Number : D2572 REV E
 Previous Run : 35916 Drawing Revision :
 Material :
 Due Date : 06/01/2009 Qty: 12 Um: Each
 Written By :
 Checked & Approved By : Julie Dawson
 Comment : Est: 1 02.10.02 Re-format; Change to Dwg Rev. D & incorporated D2572KJ

Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 D6101005 Saddle Billet



Comment: Qty.: 1.0000 Each(s)/Unit Total : 12.0000 Each(s)
 7075-T7351 8.25X5.0X2.5
 Make from D6101-005 billet for D2572
 Ensure that grain is along 5.00" length
 Batch No: B34874

Julie Dawson 08/10/22

2.0 HAAS1 HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1
 Program Batch No. 42803 Double check by: man

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets
 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets
 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
 4-Deburr and remove all machining marks
 5-Tumble to remove shap edges.

Julie Dawson

08/11/02

3.0 MILLING CONV. CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE
 Machine keyway as per dwg D2571 & D2572

Julie Dawson

08/11/02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 22/10/2008 11:47:16 AM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SADDLE FITTING, FWD (OUTBOARD/INBOARD)

Job Number: 42803

Part Number: D2572

Job Number:



Seq. #: Machine Or Operation: Description :

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

JL 08/11/02

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

SP 08/11/02

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

FL 08/11/04 (12)

7.0

POWDER COATING

POWDER COATING



M102316



(12X)

Comment: POWDER COATING



Powder Coat **SANDTEX GREEN**
(Ref: 4.3.5.1) as per QSI 005 4.3

M-1 08/11/04

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



41



Comment: INSPECT POWDER COAT

08-11-04

(12)

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

57431

08/11/05 (12)

10.0

QC21

FINAL INSPECTION/W/O RELEASE



08/11/06

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF 08-11-05

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order: 42803
Description: Saddle, Fwd Inboard	Part Number: D2572
Inspection Dwg: D2572 Rev. E	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443		.440	.440	.440	.440		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.000	8.000	8.000	8.000		
F	0.490	0.510		.503	.499	.501	.498		
G	0.257	0.262		.259	.259	.259	.259		
H	0.375	0.380		.377	.378	.378	.378		
I	0.490	0.510		.503	.502	.504	.501		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		.571	.569	.570	.569		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.490	1.500		1.495	1.495	1.495	1.495		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.872	3.874	3.874	3.874		
P	0.115	0.135		.131	.130	.128	.129		
Q	0.115	0.135		.135	.135	.135	.135		
R	0.240	0.260		.254	.255	.254	.255		
S	0.115	0.135		.135	.126	.124	.127		
T	0.178	0.198		.188	.188	.188	.188		
U	2.940	2.980		2.957	2.960	2.960	2.960		
V	0.230	0.250		.240	.241	.243	.241		
W	0.115	0.135		.125	.125	.125	.126		
X	0.307	0.312		.310	.310	.310	.310		
Y	0.760	0.765		.760	.760	.760	.760		
Z	0.352	0.372		.362	.364	.362	.363		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.624	.624	.624	.625		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.243	.248	.246	.250		
AE	1.375	1.395		1.390	1.390	1.390	1.391		
AF	0.115	0.135		.135	.135	.135	.135		
AG	0.240	0.280		.260	.260	.260	.260		
AH	0.240	0.260		.250	.252	.253	.251		
AI	2.000	2.020		2.005	2.004	2.004	2.006		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									

Measured by:	JL
Date:	08/10/28

Audited by:	J.P.
Date:	08/11/02

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD		Work Order: 42803
Description: Saddle, Fwd Inboard		Part Number: D2572
Inspection Dwg: D2572 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443		.440	.440	.440	.440		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.001	8.000	8.000	8.000		
F	0.490	0.510		.497	.499	.501	.502		
G	0.257	0.262		.259	.259	.259	.259		
H	0.375	0.380		.378	.378	.378	.378		
I	0.490	0.510		.505	.504	.500	.501		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		.570	.570	.569	.569		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.490	1.500		1.495	1.495	1.495	1.495		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.874	3.874	3.874	3.874		
P	0.115	0.135		.127	.127	.129	.129		
Q	0.115	0.135		.135	.135	.135	.135		
R	0.240	0.260		.253	.251	.252	.251		
S	0.115	0.135		.127	.127	.129	.127		
T	0.178	0.198		.188	.188	.188	.188		
U	2.940	2.980		2.960	2.960	2.960	2.960		
V	0.230	0.250		.241	.242	.241	.243		
W	0.115	0.135		.127	.126	.126	.132		
X	0.307	0.312		.310	.310	.310	.309		
Y	0.760	0.765		.760	.760	.760	.760		
Z	0.352	0.372		.364	.364	.366	.366		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.625	.624	.626	.628		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.249	.246	.246	.247		
AE	1.375	1.395		1.389	1.389	1.390	1.390		
AF	0.115	0.135		.135	.135	.135	.135		
AG	0.240	0.280		.260	.260	.260	.260		
AH	0.240	0.260		.252	.251	.251	.249		
AI	2.000	2.020		2.003	2.003	2.004	2.004		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									

Measured by: J / ML
Date: 08/10/09

Audited by: JB
Date: 08/11/02

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order: 42803
Description: Saddle, Fwd Inboard	Part Number: D2572
Inspection Dwg: D2572 Rev. E	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443		.440	.440	.440	.440		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.000	8.000	8.000	8.000		
F	0.490	0.510		.505	.503	.510	.505		
G	0.257	0.262		.260	.260	.260	.260		
H	0.375	0.380		.377	.377	.377	.377		
I	0.490	0.510		.497	.498	.499	.500		
J	1.174	1.184		1.179	1.179	1.179	1.178		
K	0.558	0.578		.565	.567	.570	.570		
L	1.174	1.184		1.179	1.179	1.179	1.178		
M	1.490	1.500		1.495	1.495	1.495	1.494		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.872	3.872	3.872	3.871		
P	0.115	0.135		.131	.131	.131	.132		
Q	0.115	0.135		.135	.135	.135	.135		
R	0.240	0.260		.257	.257	.257	.257		
S	0.115	0.135		.127	.127	.127	.132		
T	0.178	0.198		.188	.188	.188	.188		
U	2.940	2.980		2.958	2.958	2.958	2.958		
V	0.230	0.250		.242	.241	.242	.242		
W	0.115	0.135		.127	.132	.131	.131		
X	0.307	0.312		.310	.310	.310	.310		
Y	0.760	0.765		.760	.760	.761	.760		
Z	0.352	0.372		.364	.366	.365	.365		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.630	.629	.628	.628		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.247	.248	.248	.248		
AE	1.375	1.395		1.392	1.389	1.389	1.389		
AF	0.115	0.135		.135	.135	.135	.135		
AG	0.240	0.280		.260	.260	.260	.260		
AH	0.240	0.260		.247	.249	.250	.248		
AI	2.000	2.020		2.006	2.003	2.003	2.005		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									

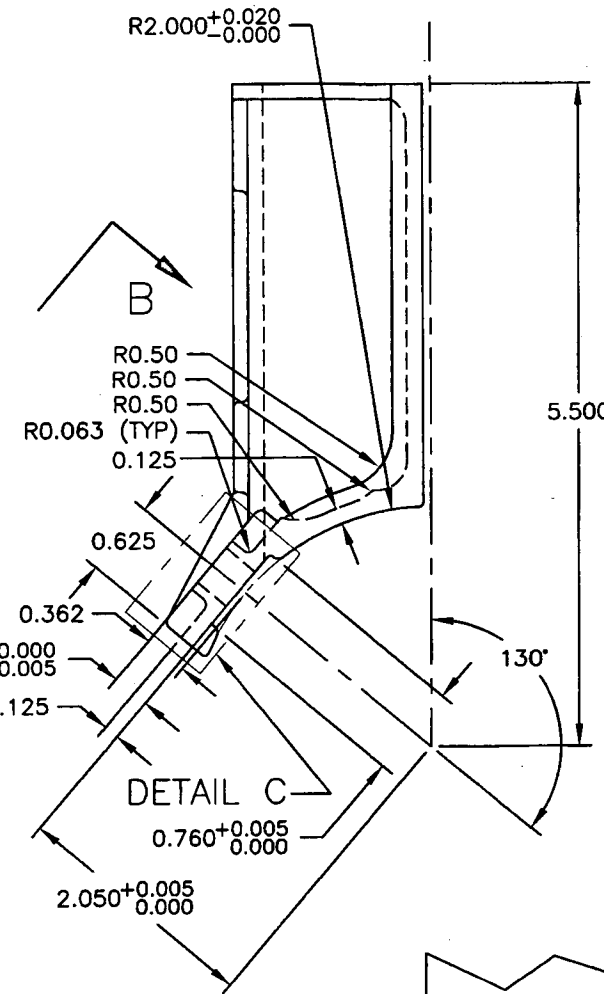
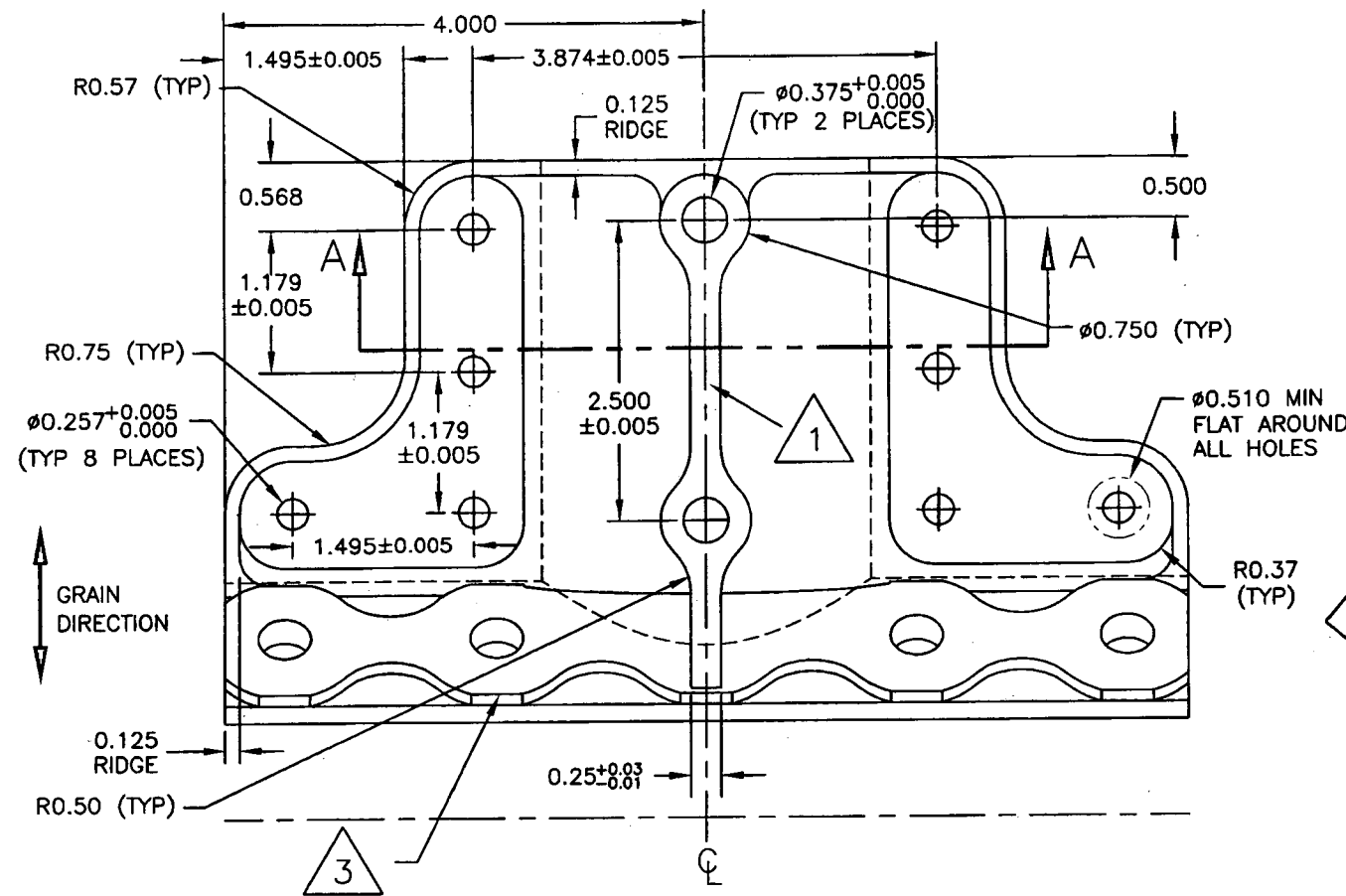
Measured by:	<i>ML</i>
Date:	08/10/30

Audited by:	<i>SP</i>
Date:	08/11/02

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	<i>JA</i>

RELEASED

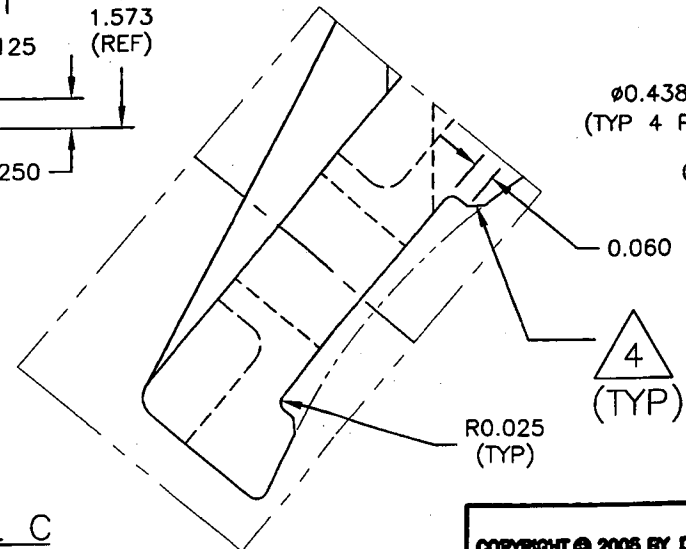
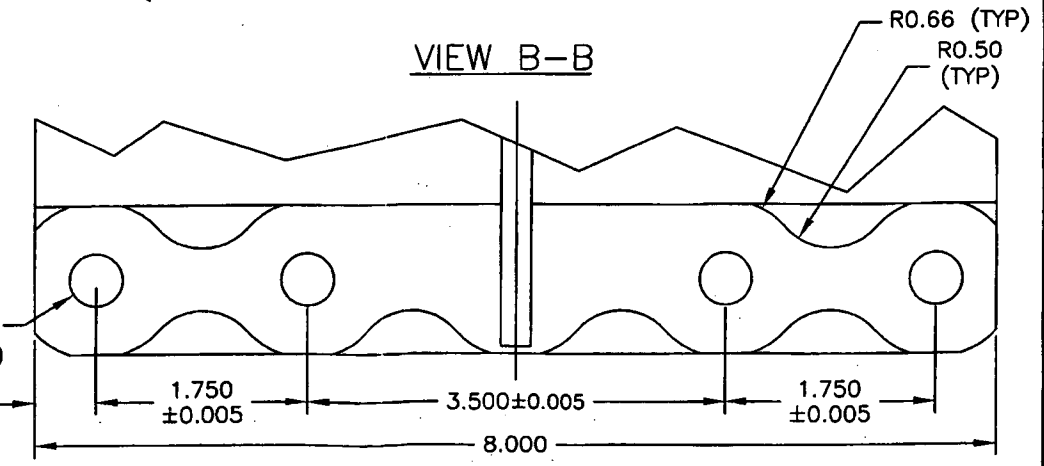
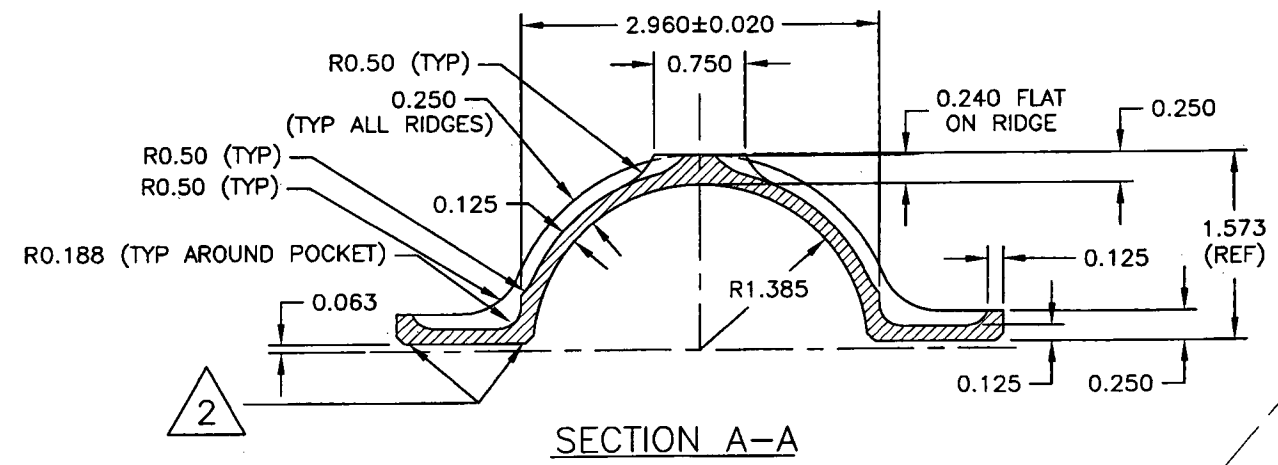
05.12.06



NOTES

MATERIAL: 7075-T7351 (QQ-A-250/12)
(REF DART SPEC. D6102-003)
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER
DART QSI 005 4.3
BREAK ALL SHARP EDGES 0.010 TO 0.020
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- 1 ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010
- 2 CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)
- 3 CHAMFER 0.063 x 45° ALL AROUND
- 4 CHAMFER 0.033 x 45° (SEE DETAIL C)



DETAIL C
SCALE 2:1

E	05.07.13	ADD CHAMFER ON RIDGE NOTE 4
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCORP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE

DESIGN DS	DRAWN BY PH	DART DART AEROSPACE LTD. HAWKESBURY, ONTARIO, CANADA
CHECKED #	APPROVED #	DRAWING NO. D2572
DATE 05.07.13	TITLE INNER FWD SADDLE	UNCONTROLLED COPY SHEET 1 OF 1 SUBJECT TO AMENDMENT

COPYRIGHT © 2005 BY DART AEROSPACE LTD.
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL
AND IS SUPPLIED ON THE EXPRESS CONDITION
THAT IT IS NOT TO BE USED FOR ANY PURPOSE
OR COPIED OR COMMUNICATED TO ANY OTHER
PERSON WITHOUT WRITTEN PERMISSION FROM
DART AEROSPACE LTD.

WITHOUT NOTICE
WORK ORDER
NO. 42803

